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Occupational Diseases in British Columbia, 1983-2002

The Occupational Diseases in British Columbia,1983-2002 tables provide statistical information on claims arising from occupational diseases in British Columbia for the years 1983 to 2002. The claims are categorized by the type of disease; the exposure that led to the disease; industry; and the age, gender and occupation of the worker.

The report includes the claims accepted in the period 1983 to 2002 for short-term disability benefits, long-term disability benefits, or survivor benefits. Claims reported but not accepted are not included in the report. Neither are claims accepted for only health care or rehabilitation benefits.

The statistical summaries include counts of claims, days lost, costs of claims, claim durations, and injury rates. The costs include short-term disability (STD), long-term disability (LTD), and survivor benefits; they exclude health care and rehabilitation costs.

There are a number of classification conventions that are important to an interpretation of the data. One is that claims for conditions that start as asbestosis and become mesothelioma are classified as mesothelioma (cancer). Similarly, claims for compensable injuries that subsequently become cancer claims are classified as cancer.

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About the 1983-2002 tables

- The injury rate calculations in Table 1 is approximate. The estimates of person years are calculated by combining information on payrolls reported to the Board by covered employers with wage rates from two sources: WCB claims and Statistics Canada data.

- Claims uncoded to type of disease, exposure, or occupation have been proportionately allocated to the disease, exposure, and occupation categories.

- The term 'short-term disability' (STD) has replaced 'wage loss', and 'long-term disability' (LTD) has replaced 'permanent disability'.

- There is not yet a statistical standard in Canada for the separation of compensable conditions into injuries and diseases. The Association of Workers' Compensation Boards of Canada is currently developing such a standard. For the purpose of this report, we have made some arbitrary choices in the absence of a national standard. For example, we have

considered heart attack and related claims to be occupational diseases. We have also considered tenosynovitis and related claims arising from repetitive motion to be diseases, but we have excluded tenosynovitis and related claims arising from trauma. The tables in which the data is broken down by 'Type of Disease' provide a listing of the conditions considered to be diseases for the purpose of this report.

- The Compensation Boards in Canada adopted new disease, exposure, and occupation coding standards in 1997. The disease categories shown in this report are based on the old and the new coding standards. The categories have been created at a sufficiently high level so that they are comparable for the years before and after 1997. Similarly, exposure group and occupation group categories have been created in such a way that they are comparable before and after 1997.

- There are tables for the period 1998-2002 that show more detail than the tables for earlier years. These more detailed tables are based on the new classification standards alone.

- Note that claims can be counted in different ways so that caution should be used when comparing the claim counts in this report to claim counts in other WCB reports. For example, in the report 'Types of Accidents by Accident Type and Occupation in British Columbia, 1998-2002', short-term disability claims are counted by the year of occurrence of injury.

- The coding on which this report is based is done by the Statistical Services Department of the Workers' Compensation Board. The code standards used for type of accident and for occupation are part of the NWISP (National Work Injuries Statistics Program) coding standard used by all the compensation boards in Canada. The code standard in use since 1997 for type of disease and exposure is CSAZ795, and the code standard in use for occupation since 1997 is the 1991 SOC (Standard Occupational Classification).

Further information regarding the tables in this report is available from the Statistical Services department of the Workers' Compensation Board:

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Table 1 Rates of Occupational Disease Claims, 1983-2002 (per 1000 personyears)

	Subsector	1983-1987	1988-1992	1993-1997	1998-2002
7010	Agriculture	3.9	5.2	4.1	3.5
7020	Fishing	2.5	4.7	5.2	7.7
7030	Forestry	6.4	11.9	9.5	8.3
7040	Oil, gas, or mineral resources	3.2	5.4	7.1	5.9
7110	Food and beverage products	9.8	12.6	11.6	12.0
7120	Metal and mineral products	10.7	13.2	10.8	8.7
7130	Petroleum, other chemical products	4.1	5.2	4.6	4.4
7140	Wood and paper products	5.5	7.7	6.6	5.2
7150	Manufacture of other products	2.5	3.1	3.2	2.5
7210	General construction	5.6	7.3	5.6	5.3
7220	Heavy construction	10.6	17.2	15.5	11.5
7230	Road construction or maintenace	4.0	5.1	4.0	3.8
7310	Warehousing	2.7	4.7	6.5	5.6
7320	Transportation and related	2.2	3.4	5.0	4.4
7410	Retail trade	1.0	1.7	2.3	2.2
7420	Wholesale trade	0.6	0.9	1.1	1.1
7530	Public administration	4.1	4.8	4.5	4.9
7610	Accommodation, food and leisure	1.2	1.5	1.6	1.6
7620	Business services	0.3	0.7	0.5	0.6
7630	Professional, technical services	0.6	0.9	1.0	0.9
7640	Other services	3.1	3.8	3.8	3.4
7650	Education	0.6	0.8	1.2	1.4
7660	Health care	3.2	3.5	3.3	3.4
7670	Utilities	1.0	1.2	1.5	1.3
	All Rated Subsectors	2.9	3.8	3.3	2.9

(1) The 'Rate of Disease Claims' is the number of disease claims per 1000 personyears.
(2) The 'number of claims' used in the calculation is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. Claims with only health care benefits are not included.
(3) The personyears are estimated from payrolls reported to the Board by covered employers.

Table 2 Occupational Disease Data by Type of Disease; 1983-2002

Type of disease	Number of claims					Days lost	Cost of claims 1983-2002 ($000)	Days lost per claim	Thousands of $ per claim
	1983-1987	1988-1992	1993-1997	1998-2002	1983-2002	1983-2002		1983-2002	1983-2002
Hiv treatment	0	0	187	638	824	14,129	1,837	17	2.2
Needlestick injury	46	86	121	116	369	4,795	360	13	1.0
Allergic reaction	0	93	201	102	395	4,424	2,066	11	5.2
Cancer: asbestos	50	82	98	157	387	116,028	75,137	300	194.2
Cancer: other	7	21	19	36	83	14,591	19,510	176	235.1
Chemical burns	2,080	2,773	2,248	1,864	8,965	69,059	12,340	8	1.4
Conjunctivitis	80	65	99	145	389	2,471	219	6	0.6
Dermatitis	1,157	1,165	1,087	985	4,394	106,877	13,395	24	3.0
Hearing loss	1,611	4,263	3,430	2,688	11,992	18,410	72,865	2	6.1
Infected blister	66	33	34	52	185	2,663	194	14	1.1
Hepatitis	55	17	14	12	98	9,176	1,314	94	13.4
Other infectious disease	371	366	328	315	1,380	26,457	5,074	19	3.7
Bursitis: repetitive motion	1,107	1,965	2,543	3,093	8,708	721,053	88,670	83	10.2
Tendinitis: repetitive motion	3,842	6,571	7,513	7,613	25,539	1,438,196	159,422	56	6.2
Carpal tunnel syndrome	599	1,898	2,394	2,350	7,241	795,402	91,516	110	12.6
Asbestosis	33	83	103	107	326	14,399	53,905	44	165.4
Silicosis	51	52	32	13	148	6,151	32,450	42	219.2
Other pneumoconiosis	1	1	2	4	8	230	1,864	29	233.0
Scleroderma	0	0	1	6	7	1,159	4,971	166	710.2
Poisoning	535	648	586	854	2,623	28,335	10,235	11	3.9
Arc flash and related	1,286	1,762	1,337	918	5,303	13,924	3,082	3	0.6
Other radiation effect	34	28	22	10	94	611	1,147	7	12.2
Raynaud's phenomenon	26	50	34	48	158	10,021	21,793	63	137.9
Cedar dust asthma	167	128	75	56	426	28,026	21,230	66	49.8
Other asthma; bronchitis	51	156	216	278	700	33,989	25,118	49	35.9
Other respiratory irritation	513	1,007	1,061	1,037	3,618	55,958	32,867	15	9.1
Stress	0	328	1,381	2,184	3,893	329,581	42,811	85	11.0
Cold	177	183	238	76	674	18,329	2,393	27	3.5
Heat	54	62	56	69	241	1,287	566	5	2.4
Cardiovascular	53	97	42	54	246	32,451	36,536	132	148.5

Type of disease	Number of claims					Days lost 1983-2002	Cost of claims 1983-2002 ($000)	Days lost per claim 1983-2002	Thousands of $ per claim 1983-2002
	1983-1987	1988-1992	1993-1997	1998-2002	1983-2002				
Voice disturbance	3	8	21	44	76	4,952	1,399	65	18.4
Other occupational disease	198	246	223	293	960	64,558	14,550	67	15.2
Total	14,253	24,237	25,746	26,216	90,452	3,987,693	850,837	44	9.4

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.
(2) the 'claim costs' are expressed in thousands of dollars.
(3) the 'claim costs' are the dollars of std paid in the period plus the value of the ltd & survivor reserves and awards set up in the period (regardless of the year the claim was counted). the 'claim costs' exclude health care and rehabilitation cost.
(4) the count and cost statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.
(5) needlestick injuries that did not result in diseases are included because of their high potential for causing disease.

Table 3 Occupational Disease Data by Type of Disease; 1983-1987

Type of disease	Number of Claims						Days lost	Claims cost in thousands of
	1983	1984	1985	1986	1987	1983-1987	1983-1987	dollars, 1983-1987
Hiv treatment	0	0	0	0	0	0	0	0
Needlestick injury	0	16	9	17	4	46	278	14
Allergic reaction	0	0	0	0	0	0	0	0
Cancer: asbestos	6	8	9	13	14	50	6,855	10,439
Cancer: other	0	1	0	1	5	7	881	631
Chemical burns	378	401	421	429	451	2,080	13,478	1,550
Conjunctivitis	14	15	21	21	9	80	483	29
Dermatitis	244	253	218	232	210	1,157	21,451	1,558
Hearing loss	265	197	301	328	520	1,611	2,935	8,674
Infected blister	18	14	15	9	10	66	980	52
Hepatitis	16	13	13	8	5	55	3,516	436
Other infectious disease	42	73	111	75	70	371	5,881	309
Bursitis: repetitive motion	318	173	196	226	194	1,107	59,571	3,973
Tendinitis: repetitive motion	928	639	690	748	837	3,842	117,234	7,999
Carpal tunnel syndrome	103	121	122	107	146	599	40,184	2,555
Asbestosis	6	11	5	6	5	33	204	5,226
Silicosis	16	11	13	4	7	51	551	7,044
Other pneumoconiosis	0	0	0	0	1	1	0	57
Scleroderma	0	0	0	0	0	0	0	0
Poisoning	86	92	110	116	131	535	2,450	185
Arc flash and related	280	237	248	216	305	1,286	2,296	242
Other radiation effect	4	6	7	4	13	34	94	7
Raynaud's phenomenon	6	7	4	3	6	26	537	792
Cedar dust asthma	35	33	40	30	29	167	5,487	919
Other asthma; bronchitis	7	10	13	10	11	51	2,055	862
Other respiratory irritation	119	97	110	78	109	513	5,426	954
Stress	0	0	0	0	0	0	0	0
Cold	22	35	55	32	33	177	4,137	245
Heat	12	8	15	5	14	54	174	15
Cardiovascular	17	10	5	7	14	53	5,070	4,615
Voice disturbance	1	0	0	0	2	3	84	7

Type of disease	Number of Claims 1983	1984	1985	1986	1987	1983-1987	Days lost 1983-1987	Claims cost in thousands of dollars, 1983-1987
Other occupational disease	34	28	46	28	62	198	7,936	748
Total	2,977	2,509	2,797	2,753	3,217	14,253	310,228	60,133

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.
(2) the 'claim costs' are expressed in thousands of dollars.
(3) the 'claim costs' are the dollars of std paid in the period plus the value of the ltd & survivor reserves and awards set up in the period (regardless of the year the claim was counted). the 'claim costs' exclude health care and rehabilitation cost.
(4) the count and cost statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.
(5) needlestick injuries that did not result in diseases are included because of their high potential for causing disease.

Table 4 Occupational Disease Data by Type of Disease; 1988-1992

Type of disease	Number of Claims						Days lost	Claims cost in thousands of
	1988	1989	1990	1991	1992	1988-1992	1988-1992	dollars, 1988-1992
Hiv treatment	0	0	0	0	0	0	0	0
Needlestick injury	23	16	13	18	16	86	1,514	83
Allergic reaction	0	14	17	24	38	93	829	910
Cancer: asbestos	17	7	10	24	24	82	24,884	15,506
Cancer: other	6	4	2	3	6	21	1,284	3,880
Chemical burns	556	557	621	525	514	2,773	19,879	3,145
Conjunctivitis	18	17	15	10	5	65	414	31
Dermatitis	207	265	256	216	221	1,165	26,342	2,526
Hearing loss	891	894	1,090	791	597	4,263	6,321	27,500
Infected blister	13	10	3	5	2	33	564	34
Hepatitis	5	3	3	2	4	17	868	534
Other infectious disease	92	57	58	70	89	366	10,436	2,060
Bursitis: repetitive motion	297	328	411	432	497	1,965	122,257	13,638
Tendinitis: repetitive motion	1,073	1,218	1,324	1,373	1,583	6,571	255,362	22,851
Carpal tunnel syndrome	258	330	372	404	534	1,898	148,790	12,714
Asbestosis	13	11	20	17	22	83	3,059	14,315
Silicosis	9	16	6	9	12	52	967	13,182
Other pneumoconiosis	0	0	0	0	1	1	0	881
Scleroderma	0	0	0	0	0	0	0	0
Poisoning	129	160	122	153	84	648	6,003	2,857
Arc flash and related	357	427	388	326	264	1,762	3,929	455
Other radiation effect	6	9	4	3	6	28	95	9
Raynaud's phenomenon	4	11	8	10	17	50	2,684	4,979
Cedar dust asthma	34	33	24	19	18	128	10,525	6,405
Other asthma: bronchitis	19	20	44	25	48	156	6,998	4,231
Other respiratory irritation	122	206	245	231	203	1,007	11,850	8,753
Stress	0	0	61	87	180	328	21,749	1,905
Cold	31	43	36	52	21	183	3,518	314
Heat	6	13	19	8	16	62	299	199

Type of disease	Number of Claims						Days lost	Claims cost in thousands of
	1988	1989	1990	1991	1992	1988-1992	1988-1992	dollars, 1988-1992
Cardiovascular	18	19	27	15	18	97	13,726	11,333
Voice disturbance	1	2	2	1	2	8	225	21
Other occupational disease	58	65	43	38	42	246	14,550	2,250
Total	4,263	4,755	5,244	4,891	5,084	24,237	719,921	177,499

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the 'claim costs' are expressed in thousands of dollars.

(3) the 'claim costs' are the dollars of std paid in the period plus the value of the ltd & survivor reserves and awards set up in the period (regardless of the year the claim was counted). the 'claim costs' exclude health care and rehabilitation cost.

(4) the count and cost statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

(5) needlestick injuries that did not result in diseases are included because of their high potential for causing disease.

Table 5 Occupational Disease Data by Type of Disease; 1993-1997

Type of disease	Number of Claims						Days lost 1993-1997	Claims cost in thousands of dollars, 1993-1997
	1993	1994	1995	1996	1997	1993-1997		
Hiv treatment	0	0	0	32	155	187	3,006	294
Needlestick injury	11	12	19	50	29	121	1,690	129
Allergic reaction	53	51	51	38	8	201	785	173
Cancer: asbestos	17	14	24	22	21	98	33,191	20,894
Cancer: other	3	3	2	6	5	19	3,549	3,868
Chemical burns	447	494	483	442	383	2,248	18,688	4,773
Conjunctivitis	6	8	14	18	53	99	653	62
Dermatitis	232	256	155	210	235	1,087	34,516	5,471
Hearing loss	617	625	884	710	594	3,430	3,422	19,498
Infected blister	5	7	6	6	9	34	356	35
Hepatitis	4	2	1	1	5	14	2,538	173
Other infectious disease	91	52	73	57	55	328	5,094	1,472
Bursitis: repetitive motion	532	546	462	502	502	2,543	234,335	26,138
Tendinitis: repetitive motion	1,620	1,707	1,393	1,402	1,391	7,513	474,687	50,784
Carpal tunnel syndrome	573	635	449	343	395	2,394	281,056	29,198
Asbestosis	23	21	16	21	22	103	5,269	17,914
Silicosis	17	4	5	3	3	32	3,416	7,722
Other pneumoconiosis	0	0	2	0	0	2	21	632
Scleroderma	0	0	0	0	1	1	89	722
Poisoning	102	108	107	101	168	586	9,153	4,057
Arc flash and related	258	257	283	238	299	1,337	5,256	1,229
Other radiation effect	4	5	4	8	0	22	151	17
Raynaud's phenomenon	9	8	2	8	7	34	3,920	7,836
Cedar dust asthma	16	17	19	5	18	75	8,144	8,945
Other asthma; bronchitis	33	61	26	47	48	216	11,988	9,028
Other respiratory irritation	204	242	190	236	188	1,061	17,725	5,542
Stress	229	298	254	296	304	1,381	99,255	10,374
Cold	53	41	60	55	29	238	6,009	642
Heat	11	22	12	5	5	56	248	28
Cardiovascular	14	8	7	6	7	42	8,386	10,815

Type of disease	Number of Claims 1993	1994	1995	1996	1997	1993-1997	Days lost 1993-1997	Claims cost in thousands of dollars, 1993-1997
Voice disturbance	4	3	3	7	3	21	745	109
Other occupational disease	46	39	45	34	58	223	21,705	4,006
Total	5,234	5,547	5,049	4,913	5,002	25,746	1,299,047	252,578

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.
(2) the 'claim costs' are expressed in thousands of dollars.
(3) the 'claim costs' are the dollars of std paid in the period plus the value of the ltd & survivor reserves and awards set up in the period (regardless of the year the claim was counted). the 'claim costs' exclude health care and rehabilitation cost.
(4) the count and cost statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.
(5) needlestick injuries that did not result in diseases are included because of their high potential for causing disease.

Table 6 Occupational Disease Data by Type of Disease; 1998-2002

Type of disease	Number of Claims 1998	1999	2000	2001	2002	1998-2002	Days lost 1998-2002	Claims cost in thousands of dollars, 1998-2002
Hiv treatment	185	172	117	96	68	638	11,123	1,543
Needlestick injury	20	20	21	29	25	116	1,312	133
Allergic reaction	11	15	21	40	15	102	2,810	984
Cancer: asbestos	24	32	31	33	37	157	51,098	28,299
Cancer: other	3	6	7	13	7	36	8,877	11,131
Chemical burns	433	356	378	387	310	1,864	17,014	2,872
Conjunctivitis	29	31	41	23	21	145	920	97
Dermatitis	210	214	203	180	177	985	24,568	3,840
Hearing loss	576	479	570	538	526	2,688	5,732	17,193
Infected blister	20	5	18	6	4	52	762	74
Hepatitis	2	2	3	1	4	12	2,253	171
Other infectious disease	66	102	43	51	53	315	5,046	1,234
Bursitis: repetitive motion	612	714	618	598	551	3,093	304,890	44,921
Tendinitis: repetitive motion	1,620	1,667	1,649	1,464	1,213	7,613	590,913	77,789
Carpal tunnel syndrome	474	567	490	413	406	2,350	325,373	47,049
Asbestosis	13	18	23	30	23	107	5,867	16,450
Silicosis	3	5	2	2	0	13	1,217	4,503
Other pneumoconiosis	0	0	0	3	1	4	209	295
Scleroderma	2	2	2	0	0	6	1,071	4,249
Poisoning	196	184	134	187	152	854	10,729	3,137
Arc flash and related	254	203	218	129	114	918	2,443	1,156
Other radiation effect	2	4	3	0	1	10	271	1,114
Raynaud's phenomenon	6	11	10	12	9	48	2,880	8,187
Cedar dust asthma	7	10	11	18	10	56	3,871	4,962
Other asthma; bronchitis	67	51	60	53	46	278	12,948	10,997
Other respiratory irritation	221	239	228	175	174	1,037	20,958	17,619
Stress	393	459	488	435	409	2,184	208,577	30,533
Cold	15	22	13	14	12	76	4,665	1,192
Heat	17	12	7	16	16	69	566	325
Cardiovascular	10	13	11	12	8	54	5,269	9,773

Type of disease	Number of Claims 1998	1999	2000	2001	2002	1998-2002	Days lost 1998-2002	Claims cost in thousands of dollars, 1998-2002
Voice disturbance	8	7	12	13	4	44	3,897	1,261
Other occupational disease	71	76	64	34	48	293	20,367	7,546
Total	5,571	5,698	5,498	5,005	4,444	26,216	1,658,497	360,627

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.
(2) the 'claim costs' are expressed in thousands of dollars.
(3) the 'claim costs' are the dollars of std paid in the period plus the value of the ltd & survivor reserves and awards set up in the period (regardless of the year the claim was counted). the 'claim costs' exclude health care and rehabilitation cost.
(4) the count and cost statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.
(5) needlestick injuries that did not result in diseases are included because of their high potential for causing disease.

Table 7 Occupational Disease Data by Type of Disease and Gender; 1983-2002

	Number of Claims 1983-2002			
Type of disease	**Males**	**Females**	**Uncoded**	**Total**
Hiv treatment	328	496	0	824
Needlestick injury	134	220	15	369
Allergic reaction	197	159	39	395
Cancer: asbestos	377	10	0	387
Cancer: other	76	7	0	83
Chemical burns	6,931	1,805	229	8,965
Conjunctivitis	217	158	14	389
Dermatitis	2,279	2,025	91	4,394
Hearing loss	11,574	383	35	11,992
Infected blister	144	36	5	185
Hepatitis	43	55	0	98
Other infectious disease	422	940	18	1,380
Bursitis: repetitive motion	5,339	3,127	242	8,708
Tendinitis: repetitive motion	14,158	10,590	792	25,539
Carpal tunnel syndrome	4,280	2,749	212	7,241
Asbestosis	324	2	0	326
Silicosis	148	0	0	148
Other pneumoconiosis	8	0	0	8
Scleroderma	7	0	0	7
Poisoning	1,893	654	77	2,623
Arc flash and related	5,118	42	142	5,303
Other radiation effect	70	21	2	94
Raynaud's phenomenon	150	8	0	158
Cedar dust asthma	404	17	5	426
Other asthma; bronchitis	388	297	16	700
Other respiratory irritation	2,445	1,058	115	3,618
Stress	1,885	1,873	135	3,893
Cold	544	100	31	674
Heat	187	45	8	241
Cardiovascular	239	6	1	246
Voice disturbance	22	54	0	76
Other occupational disease	693	239	29	960
Total	61,022	27,179	2,251	90,452

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the count statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

Table 8 Occupational Disease Data by Type of Disease and Age Group; 1983-2002

	Number of Claims 1983-2002							
Type of disease	**age 15-24**	**age 25-34**	**age 35-44**	**age 45-54**	**age 55-64**	**age 65+**	**uncoded**	**total**
Hiv treatment	67	255	302	155	44	0	0	824
Needlestick injury	58	104	114	65	25	1	1	369
Allergic reaction	62	143	103	59	27	2	0	395
Cancer: asbestos	0	1	11	43	145	184	3	387
Cancer: other	0	2	11	18	27	25	0	83
Chemical burns	2,135	3,050	2,095	1,146	480	32	27	8,965
Conjunctivitis	45	117	117	81	28	1	0	389
Dermatitis	1,078	1,274	971	671	361	25	13	4,394
Hearing loss	110	367	651	1,949	4,280	4,519	116	11,992
Infected blister	58	60	36	21	9	1	0	185
Hepatitis	15	30	28	19	4	0	2	98
Other infectious disease	253	454	365	227	71	7	3	1,380
Bursitis: repetitive motion	589	1,970	3,266	2,218	642	18	6	8,708
Tendinitis: repetitive motion	5,042	8,874	6,551	3,554	1,422	46	51	25,539
Carpal tunnel syndrome	673	2,195	2,436	1,426	480	17	13	7,241
Asbestosis	0	0	5	48	138	133	2	326
Silicosis	0	1	7	20	69	50	1	148
Other pneumoconiosis	0	1	0	2	1	4	0	8
Scleroderma	0	0	3	3	1	0	0	7
Poisoning	530	847	668	413	145	7	14	2,623
Arc flash and related	856	2,098	1,535	649	154	7	3	5,303
Other radiation effect	19	34	23	14	4	0	0	94
Raynaud's phenomenon	1	22	41	52	40	2	0	158
Cedar dust asthma	33	124	123	93	52	2	0	426
Other asthma; bronchitis	59	149	230	164	94	4	1	700
Other respiratory irritation	411	1,117	1,070	706	279	25	9	3,618
Stress	512	1,006	1,296	813	238	11	16	3,893
Cold	204	187	130	98	50	3	1	674
Heat	53	81	57	32	18	0	0	241
Cardiovascular	1	9	44	109	75	8	0	246
Voice disturbance	15	17	22	17	5	0	0	76
Other occupational disease	120	334	265	163	71	3	5	960
Total	12,998	24,921	22,577	15,050	9,480	5,137	288	90,452

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the count statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

Table 9 Occupational Disease Data by Subsector; 1983-2002

	Subsector	Number of Claims						Cost of claims 1983-2002 ($000)	Days lost per claim 1983-2002	Thousands of $ per claim 1983-2002
		1983-1987	1988-1992	1993-1997	1998-2002	1983-2002	Days lost 1983-2002			
7010	Agriculture	207	336	316	315	1,174	42,905	3,835	37	3.3
7020	Fishing	158	318	272	278	1,026	71,011	10,284	69	10.0
7030	Forestry	756	1,455	1,229	953	4,393	127,487	38,492	29	8.8
7040	Oil, gas, or mineral resources	401	736	460	343	1,940	44,469	52,195	23	26.9
7110	Food and beverage products	981	1,514	1,439	1,511	5,446	250,245	24,965	46	4.6
7120	Metal and mineral products	1,641	2,574	2,183	1,974	8,373	222,256	78,886	27	9.4
7130	Petroleum, other chemical products	242	399	371	454	1,466	57,195	9,071	39	6.2
7140	Wood and paper products	2,076	3,301	2,828	2,200	10,405	389,206	106,293	37	10.2
7150	Manufacture of other products	218	347	432	495	1,492	72,790	10,121	49	6.8
7210	General construction	1,360	3,042	2,482	2,073	8,958	372,956	109,660	42	12.2
7220	Heavy construction	101	123	57	59	340	8,710	4,570	26	13.4
7230	Road construction or maintenace	89	221	201	180	690	21,102	6,035	31	8.7
7310	Warehousing	35	69	105	105	313	10,276	2,945	33	9.4
7320	Transportation and related	469	895	1,422	1,417	4,203	145,815	33,198	35	7.9
7410	Retail trade	685	1,411	2,110	2,228	6,434	489,196	44,641	76	6.9
7420	Wholesale trade	127	249	348	380	1,104	49,729	8,380	45	7.6
7530	Public administration	530	771	891	1,029	3,220	109,717	38,463	34	11.9
7610	Accommodation, food and leisure	849	1,397	1,758	2,046	6,050	316,974	21,906	52	3.6
7620	Business services	30	86	287	515	918	65,670	9,330	72	10.2
7630	Professional, technical services	63	146	248	398	855	37,956	8,369	44	9.8
7640	Other services	1,047	1,679	1,833	1,843	6,402	244,859	53,652	38	8.4
7650	Education	237	418	717	904	2,276	99,535	15,336	44	6.7
7660	Health care	972	1,406	2,046	2,693	7,117	343,992	42,772	48	6.0
7670	Utilities	115	172	241	227	755	35,385	8,489	47	11.2
	Self-insured employers	856	1,127	1,466	1,579	5,028	201,829	46,051	40	9.2
	Other, including section 39 of the Act	8	43	5	16	73	156,428	62,898	n/a	n/a
	Total	14,253	24,237	25,746	26,216	90,452	3,987,693	850,837	44	9.4

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the 'claim costs' are expressed in thousands of dollars.

(3) the 'claim costs' are the dollars of std paid in the period plus the value of the ltd & survivor reserves and awards set up in the period (regardless of the year the claim was counted). the 'claim costs' exclude health care and rehabilitation cost.

(4) the count and cost statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

(5) needlestick injuries that did not result in diseases are included because of their high potential for causing disease.

Table 10 Occupational Disease Data by Subsector and Gender; 1983-2002

	Subsector	Number of Claims 1983-2002 Males	Females	Uncoded	Total
7010	Agriculture	560	581	34	1,174
7020	Fishing	845	156	25	1,026
7030	Forestry	3,891	418	83	4,393
7040	Oil, gas, or mineral resources	1,858	61	21	1,940
7110	Food and beverage products	2,907	2,377	162	5,446
7120	Metal and mineral products	7,799	373	202	8,373
7130	Petroleum, other chemical products	1,044	389	33	1,466
7140	Wood and paper products	9,091	1,146	167	10,405
7150	Manufacture of other products	963	480	49	1,492
7210	General construction	8,552	211	195	8,958
7220	Heavy construction	334	7	-1	340
7230	Road construction or maintenance	616	58	16	690
7310	Warehousing	259	50	4	313
7320	Transportation and related	3,644	420	139	4,203
7410	Retail trade	2,134	4,083	217	6,434
7420	Wholesale trade	759	316	29	1,104
7530	Public administration	2,413	715	92	3,220
7610	Accommodation, food and leisure	2,042	3,844	165	6,050
7620	Business services	213	662	43	918
7630	Professional, technical services	456	365	33	855
7640	Other services	4,950	1,298	154	6,402
7650	Education	1,043	1,170	63	2,276
7660	Health care	1,142	5,813	162	7,117
7670	Utilities	497	242	16	755
	Self-insured employers	2,950	1,932	146	5,028
	Other, including section 39 of act	62	11	0	73
	Total	61,022	27,179	2,251	90,452

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the count statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

(3) some 'business services' and related industries were covered under the workers compensation act in 1994.

Table 11 Occupational Disease Data by Subsector and Age Group; 1983-2002

	Subsector	Number of Claims 1983-2002							
		age 15-24	age 25-34	age 35-44	age 45-54	age 55-64	age 65+	uncoded	total
7010	Agriculture	302	356	280	145	61	23	7	1,174
7020	Fishing	194	349	230	102	72	75	4	1,026
7030	Forestry	915	1,153	680	517	630	479	19	4,393
7040	Oil, gas, or mineral resources	98	277	269	365	547	370	14	1,940
7110	Food and beverage products	806	1,762	1,570	833	384	80	11	5,446
7120	Metal and mineral products	1,076	2,540	2,109	1,237	836	555	20	8,373
7130	Petroleum, other chemical products	300	519	363	175	86	19	4	1,466
7140	Wood and paper products	1,375	2,958	2,266	1,486	1,332	958	29	10,405
7150	Manufacture of other products	225	463	433	233	108	26	3	1,492
7210	General construction	1,216	2,721	1,941	1,146	1,078	826	30	8,958
7220	Heavy construction	29	85	56	63	62	43	2	340
7230	Road construction or maintenance	50	129	139	131	147	91	2	690
7310	Warehousing	40	82	96	55	28	12	1	313
7320	Transportation and related	348	965	1,130	845	552	352	11	4,203
7410	Retail trade	1,531	1,915	1,663	916	337	51	21	6,434
7420	Wholesale trade	220	331	276	168	76	27	5	1,104
7530	Public administration	287	882	978	625	305	137	7	3,220
7610	Accommodation, food and leisure	1,844	1,640	1,345	823	304	64	29	6,050
7620	Business services	93	270	274	178	74	20	8	918
7630	Professional, technical services	143	287	245	113	38	26	2	855
7640	Other services	1,047	1,865	1,464	999	633	368	26	6,402
7650	Education	97	396	660	709	340	68	7	2,276
7660	Health care	378	1,620	2,311	1,916	807	75	9	7,117
7670	Utilities	29	152	212	174	105	76	7	755
	Self-insured employers	352	1,180	1,565	1,081	527	316	9	5,028
	Other, including section 39 of act	4	21	21	15	11	0	0	73
	Total	12,998	24,921	22,577	15,050	9,480	5,137	288	90,452

(1) the 'number of claims' is the count of claims accepted for

short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the count statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

(3) some 'business services' and related industries were covered under the workers compensation act in 1994.

Table 12 Occupational Disease Data by Exposure Group; 1983-2002

Exposure group	Number of Claims					Days lost	Cost of claims 1983-2002 ($000)	Days lost per claim	Thousands of $ per claim
	1983-1987	1988-1992	1993-1997	1998-2002	1983-2002	1983-2002		1983-2002	1983-2002
Cleaning agents	603	731	692	868	2,894	38,878	3,517	13	1.2
Medicines	6	16	206	656	883	14,555	1,872	16	2.1
Rubber gloves	29	81	151	145	406	9,964	1,091	25	2.7
Smoke	102	136	165	146	549	9,250	4,863	17	8.9
Asbestos	84	169	203	268	725	130,460	129,673	180	179.0
Other chemical, mineral	1,958	2,781	2,681	2,625	10,046	154,521	54,099	15	5.4
Infectious agents	530	497	554	735	2,316	44,464	7,759	19	3.4
Air pressure	63	76	55	37	231	16,006	4,610	69	19.9
Atmospheric, environ heat	57	89	81	68	294	1,999	799	7	2.7
Sun	5	6	10	16	38	808	1,414	21	37.6
Stress causing events	0	328	1,381	2,184	3,893	329,581	42,811	85	11.0
Cold, vibration	26	50	34	48	158	10,021	21,793	63	137.9
Cardiovascular events	53	97	42	54	246	32,451	36,536	132	148.5
Voice overuse	3	8	21	15	47	2,888	1,148	62	24.5
Syringe: laceration	46	86	122	116	370	4,796	360	13	1.0
Repetitive motion	5,563	10,448	12,489	13,131	41,631	2,972,864	342,559	71	8.2
Noise	1,484	4,063	3,292	2,544	11,382	4,506	71,046	0	6.2
Other physical	3,381	4,252	3,329	2,218	13,180	184,659	115,062	14	8.7
Other and unknown	260	323	237	343	1,163	25,023	9,826	22	8.5
Total	14,253	24,237	25,746	26,216	90,452	3,987,693	850,837	44	9.4

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the 'claim costs' are expressed in thousands of dollars.

(3) the 'claim costs' are the dollars of std paid in the period plus the value of the ltd & survivor reserves and awards set up in the period (regardless of the year the claim was counted). the 'claim costs' exclude health care and rehabilitation cost.

(4) the count and cost statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

Table 13 Occupational Disease Data by Exposure Group and Gender; 1983-2002

	Number of Claims 1983-2002			
Exposure group	**Males**	**Females**	**Uncoded**	**Total**
Cleaning agents	1,222	1,631	42	2,894
Medicines	343	541	0	883
Rubber gloves	105	278	22	406
Smoke	436	93	20	549
Asbestos	710	15	0	725
Other chemical, mineral	7,559	2,231	256	10,046
Infectious agents	951	1,318	46	2,316
Air pressure	209	17	5	231
Atmospheric, environ heat	228	55	12	294
Sun	19	17	1	38
Stress causing events	1,885	1,873	135	3,893
Cold, vibration	150	8	0	158
Cardiovascular events	239	6	1	246
Voice overuse	13	33	0	47
Syringe: laceration	134	220	16	370
Repetitive motion	23,857	16,521	1,253	41,631
Noise	11,245	113	24	11,382
Other physical	10,906	1,874	399	13,180
Other and unknown	811	333	19	1,163
Total	61,022	27,179	2,251	90,452

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the count statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

Table 14 Occupational Disease Data by Exposure Group and Age Group, 1983-2002

Number of Claims 1983-2002

Exposure group	age 15-24	age 25-34	age 35-44	age 45-54	age 55-64	age 65+	uncoded	total
Cleaning agents	687	781	698	481	221	15	11	2,894
Medicines	69	273	325	167	48	0	0	883
Rubber gloves	65	116	94	89	39	3	0	406
Smoke	72	185	173	88	28	2	0	549
Asbestos	2	5	18	92	284	318	5	725
Other chemical, mineral	2,047	3,220	2,492	1,513	679	61	34	10,046
Infectious agents	424	743	619	390	118	11	10	2,316
Air pressure	66	125	35	4	2	0	0	231
Atmospheric, environ heat	67	104	66	37	19	0	1	294
Sun	14	8	7	8	1	0	0	38
Stress causing events	512	1,006	1,296	813	238	11	16	3,893
Cold, vibration	1	22	41	52	40	2	0	158
Cardiovascular events	1	9	44	109	75	8	0	246
Voice overuse	12	11	15	6	3	0	0	47
Syringe: laceration	58	104	115	65	25	1	1	370
Repetitive motion	6,314	13,082	12,296	7,230	2,556	81	72	41,631
Noise	23	105	477	1,880	4,265	4,519	114	11,382
Other physical	2,388	4,676	3,430	1,817	744	102	22	13,180
Other and unknown	176	346	334	206	96	2	2	1,163
Total	12,998	24,921	22,577	15,050	9,480	5,137	288	90,452

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the count statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

Table 15 Occupational Disease Data by Occupation Group; 1983-2002

Occupation group	Number of Claims					Days lost 1983-2002	Cost of claims 1983-2002 ($000)	Days lost per claim 1983-2002	Thousands of $ per claim 1983-2002
	1983-1987	1988-1992	1993-1997	1998-2002	1983-2002				
Managerial, admin	13	47	95	213	368	20,140	5,082	55	13.8
Engineering, science	100	172	216	185	672	27,284	8,904	41	13.2
Social science	18	75	183	404	679	41,194	5,184	61	7.6
Teachers	39	57	128	236	460	21,176	4,239	46	9.2
Medicine, health care	551	674	1,093	1,624	3,942	177,226	25,616	45	6.5
Artistic & related	55	86	109	219	470	26,622	4,928	57	10.5
Clerical jobs	445	1,013	2,097	2,295	5,850	440,714	46,235	75	7.9
Sales jobs	225	401	716	1,064	2,406	157,210	15,098	65	6.3
Service jobs	1,925	2,987	3,693	4,177	12,782	676,528	94,148	53	7.4
Farming jobs	435	702	751	730	2,619	90,891	7,634	35	2.9
Fishing, trapping	84	140	169	202	595	46,815	5,753	79	9.7
Forestry, logging	930	1,452	1,251	942	4,575	126,124	35,184	28	7.7
Mining, oil, gas	341	619	362	261	1,583	38,907	53,463	25	33.8
Processing jobs	2,432	3,850	3,298	3,295	12,875	571,823	115,539	44	9.0
Machining, related	1,473	2,401	2,089	1,942	7,906	196,356	68,665	25	8.7
Fabricating, repair	1,634	2,689	2,612	2,523	9,458	399,753	104,459	42	11.0
Construction trades	1,737	3,734	3,151	2,889	11,511	465,779	147,098	40	12.8
Transportation oprtrs	417	857	1,407	1,469	4,149	157,593	40,800	38	9.8
Material handling	775	1,295	1,221	815	4,106	174,862	35,076	43	8.5
Equipment operators	127	240	276	214	856	35,793	9,592	42	11.2
Other occupations	497	746	828	519	2,590	94,902	18,139	37	7.0
Total	14,253	24,237	25,746	26,216	90,452	3,987,693	850,837	44	9.4

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the 'claim costs' are expressed in thousands of dollars.

(3) the 'claim costs' are the dollars of std paid in the period plus the value of the ltd & survivor reserves and awards set up in the period (regardless of the year the claim was counted). the 'claim costs' exclude health care and rehabilitation cost.

(4) the count and cost statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

Table 16 Occupational Disease Data by Occupation Group and Gender; 1983-2002

Occupation group	Number of Claims 1983-2002 Males	Females	Uncoded	Total
Managerial, admin	171	191	5	368
Engineering, science	480	165	27	672
Social science	157	504	18	679
Teachers	133	324	3	460
Medicine, health care	483	3,371	88	3,942
Artistic & related	198	264	8	470
Clerical jobs	906	4,722	222	5,850
Sales jobs	813	1,520	73	2,406
Service jobs	4,914	7,518	350	12,782
Farming jobs	1,517	1,008	93	2,619
Fishing, trapping	528	57	10	595
Forestry, logging	4,027	455	93	4,575
Mining, oil, gas	1,554	18	11	1,583
Processing jobs	9,437	3,168	270	12,875
Machining, related	7,465	259	182	7,906
Fabricating, repair	8,069	1,187	202	9,458
Construction trades	10,934	332	245	11,511
Transportation oprtrs	3,781	260	108	4,149
Material handling	2,955	1,045	107	4,106
Equipment operators	602	236	19	856
Other occupations	1,898	574	118	2,590
Total	61,022	27,179	2,251	90,452

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the count statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

Table 17 Occupational Disease Data by Occupation Group and Age Group; 1983-2002

Number of Claims 1983-2002

Occupation group	age 15-24	age 25-34	age 35-44	age 45-54	age 55-64	age 65+	Uncoded	Total
Managerial, admin	6	61	116	104	50	31	1	368
Engineering, science	104	223	157	87	58	39	3	672
Social science	54	214	204	157	41	4	4	679
Teachers	13	97	125	156	53	11	5	460
Medicine, health care	213	993	1,385	984	353	10	4	3,942
Artistic & related	108	168	114	52	20	6	1	470
Clerical jobs	985	1,714	1,653	1,109	335	29	24	5,850
Sales jobs	603	576	634	423	138	21	10	2,406
Service jobs	2,381	3,340	3,379	2,468	1,046	133	35	12,782
Farming jobs	630	860	675	277	123	41	12	2,619
Fishing, trapping	79	167	147	76	60	63	3	595
Forestry, logging	1,064	1,317	678	467	584	444	21	4,575
Mining, oil, gas	64	168	172	301	510	358	9	1,583
Processing jobs	1,828	3,871	3,119	1,840	1,280	898	39	12,875
Machining, related	904	2,423	2,118	1,230	767	447	16	7,906
Fabricating, repair	1,175	2,508	2,305	1,627	1,143	669	32	9,458
Construction trades	1,306	3,127	2,579	1,720	1,585	1,157	36	11,511
Transportation oprtrs	213	815	1,218	883	596	412	12	4,149
Material handling	644	1,231	1,032	609	407	177	7	4,106
Equipment operators	75	220	224	122	122	88	6	856
Other occupations	547	829	543	359	207	98	6	2,590
Total	12,998	24,921	22,577	15,050	9,480	5,137	288	90,452

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the count statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

Table 18 Occupational Disease Data by Detailed Exposure; 1998-2002

Exposure category	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Cleaning agents	176	175	189	172	156	868	9,693	1,045
Medicines	189	174	125	99	69	656	11,236	1,555
Rubber gloves	43	39	31	19	13	145	4,263	445
Smoke	40	27	26	32	21	146	3,653	3,280
Asbestos	38	50	55	64	61	268	56,969	45,358
Infectious agents	151	198	104	155	126	735	10,244	2,199
Hydrogen fluoride	0	0	1	0	0	1	17	2
Other acid gases	3	0	1	0	1	5	279	31
Hydrochloric acid	9	5	4	4	9	31	219	26
Hydrofluoric acid	3	1	0	3	1	8	173	9
Chlorine-containing oxyacids	0	0	0	1	0	1	1	0
Nitric acid	1	1	3	1	2	8	43	5
Phosphoric acid	1	1	1	2	3	9	22	2
Sulfuric acid	19	12	13	15	16	76	1,172	228
Other inorganic acids	2	1	1	1	1	7	43	8
Acetic acid, vinegar	1	1	0	1	0	3	6	1
Carbolic acids	0	0	0	0	1	1	1	0
Other organic acids	2	0	0	1	0	3	17	1
Multiple acids	0	1	0	1	2	4	7	1
Other acids	12	6	12	6	8	44	349	42
Cement, mortar mix--dry	6	5	3	2	4	20	374	32
Cement, mortar mix--wet	18	13	11	8	5	55	540	55
Lime	14	11	12	7	8	52	665	76
Other calcium hydroxide, calcium oxides	3	1	1	2	0	7	320	18
Limestone, calcium carbonate	0	0	0	1	0	1	1	0
Sodium carbonate, soda ash	0	0	1	2	0	3	7	0
Other carbonates	0	1	0	0	0	1	1	0
Sodium & potassium hydroxide & rltd	6	11	14	10	9	50	1,446	173
Other alkalies	10	11	6	6	2	35	218	24
Antifreeze	9	4	10	3	6	33	268	22

Exposure category	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Ethanol	0	0	0	0	1	1	2	0
Ethylene glycol	2	0	0	0	0	2	13	3
Fusel oil	0	0	1	1	0	2	3	1
Methanol	2	2	1	1	0	7	46	8
Propanol	1	0	0	2	1	4	14	2
Other alcohol	0	1	1	2	0	5	12	1
Formaldehyde	0	2	0	2	2	6	202	22
Formalin	0	0	1	1	1	3	17	2
Other aldehydes	1	0	0	0	0	1	4	0
Other nonaromatic amines	1	0	0	0	1	2	220	56
Benzene	0	0	1	1	0	2	536	422
Toluene	0	1	0	2	1	4	8	1
Xylene	3	4	1	4	1	13	54	5
Other aromatics	2	0	0	1	0	3	5	0
Other ethers	0	0	0	0	1	1	2	0
Acetone	5	5	4	5	0	19	210	24
Methyl ethyl ketone	3	1	0	0	1	5	30	2
Methyl n-butyl ketone	1	0	0	0	0	1	1	0
Other ketones	1	0	0	0	0	1	7	0
Hydrogen peroxide	2	1	1	0	0	5	7	1
Sodium peroxide	1	0	0	0	0	1	2	0
Other peroxides	0	0	0	1	1	2	2	0
Multiple aromatics, except halogenated	1	0	0	1	0	2	67	12
Nitro hydrocarbons	1	0	0	0	0	1	2	0
Other aromatics, except halogenated	1	2	1	3	0	7	29	650
Chlorine, chlorine bleach	28	19	28	11	20	106	515	43
Methyl chloride	0	0	1	0	0	1	3	0
Perchloroethylene	1	1	0	0	0	2	6	0
Trichloroethylene	1	0	0	0	0	1	5	0
Other chlorine compounds	7	12	5	9	1	34	1,181	312
Fluorotrichloromethane	1	2	3	5	1	12	82	9
Multiple halogens & halogen compounds	0	0	0	0	1	1	94	6
Trace metallic dust,powders,fumes	2	4	3	1	0	10	33	160

Exposure category	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Other lead and lead compounds	2	1	-1	0	0	2	349	46
Mercury & compounds	0	0	0	1	0	1	9	0
Aluminum and aluminum compounds	0	0	1	0	0	1	26	5
Chromium and chromium compounds	1	0	0	0	0	1	44	8
Magnesium and magnesium compounds	0	0	1	0	0	1	5	0
Manganese	0	1	0	0	0	1	3	0
Zinc and zinc compounds	1	1	1	0	1	4	13	1
Other metallics and compounds	0	0	0	1	0	1	172	22
Welding or soldering fumes	16	8	12	8	8	52	1,606	636
Multiple metallics & metallic compounds	0	1	0	0	0	1	0	145
Other metallic particulates,dust, powder,fumes	3	2	5	15	3	29	1,149	138
Fertilizers, plant food, n.e.c	2	2	0	1	0	5	73	2
Other fumigants	0	0	0	1	0	1	1	0
Fungicides	2	0	0	0	0	2	16	2
Phenols	0	0	0	0	1	1	1	0
Other herbicides	1	2	0	0	1	4	56	4
Organophosphorus compounds	1	0	1	0	0	2	7	1
Other insecticides	4	3	1	2	0	10	69	6
Rodenticides	0	1	0	0	0	1	3	0
Other agricultural chemicals	5	5	0	4	4	18	256	88
Other adhesives, glues	15	22	10	22	19	88	470	51
Hair preparations	6	6	0	4	6	22	1,288	218
Other beauty preparations	3	4	9	20	9	45	425	30
Pyrotechnics, fireworks	0	0	0	1	0	1	1	0
Lacquer, shellac, varnish	2	1	1	1	1	7	9	1
Paint	31	23	34	21	20	129	882	407
Multiple paint, lacquer, varnishes	0	0	2	0	3	5	45	5
Other paint, lacquer, shellac, varnish	9	9	12	14	8	52	515	55
Naphtha solvents	1	1	0	0	0	2	3	0
Paint removers, thinners	11	12	18	16	14	71	241	24
Dry cleaning fluids, n.e.c	2	2	0	0	0	4	26	1
Multiple solvents, degreasers	0	1	0	0	0	1	9	2
Other solvents, degreasers	37	17	19	25	15	114	1,073	105

Exposure category	Number of Claims						Days lost 1998-2002	Claim costs in thousands of dollars, 1998-2002
	1998	1999	2000	2001	2002	1998-2002		
Dyes, inks	2	1	0	2	0	5	68	8
Tear gas, mace	7	9	4	6	4	31	302	23
Photographic and copying solutions	0	2	2	0	1	5	43	3
Other general chemical products	41	25	16	21	25	129	1,017	91
Coal	2	0	1	0	0	3	41	5
Other coal and coal products	0	0	2	2	0	4	4	0
Natural gas	1	1	3	3	1	9	61	5
Petrolium, crude oil	1	1	2	0	0	4	17	3
Gasoline, diesel fuel, jet fuel	23	14	15	10	10	73	500	886
Lubricating greases, cutting oils	12	8	12	7	7	46	362	82
Propane	1	2	3	3	1	10	84	4
Other petroleum fuels, distillates, products	12	12	4	5	2	35	137	16
Other coal, natural gas, petro. fuels	2	2	2	-1	1	7	420	231
Ammonia, anhydrous ammonia	1	2	0	0	1	4	6	1
Ammonium hydroxide	0	0	1	0	0	1	5	1
Other ammonia and ammonium compounds	6	6	2	6	4	25	252	28
Liquid nitrogen	0	1	0	0	0	1	7	0
Liquid oxygen	1	1	0	0	0	2	8	1
Other cryogenic gases	1	1	0	1	0	3	4	1
Other cyanide and cyanide compounds	0	0	0	0	1	1	2	0
Carbon monoxide	19	19	19	18	8	84	2,614	901
Carbon dioxide, dry ice	0	0	0	1	1	2	3	0
Nitrogen oxides	0	1	0	0	0	1	21	2
Ozones	3	2	1	1	1	8	252	16
Cyanates	6	5	3	3	0	17	574	773
Resins	12	15	16	14	7	64	2,190	620
Urethanes	1	0	1	1	0	3	125	878
Latex	2	6	1	2	0	11	1,109	101
Other plastics, resins	1	1	3	1	5	11	326	21
Other sewer gas, mine gas	1	1	0	0	1	3	4	1
Hydrogen sulfide	4	1	3	1	8	17	268	26
Sulfur dioxide	3	4	1	1	1	11	565	98
Other sulfur and sulfur compounds	2	4	7	2	1	16	320	46

Exposure category	Number of Claims						Days lost 1998-2002	Claim costs in thousands of dollars, 1998-2002
	1998	1999	2000	2001	2002	1998-2002		
Ammonia and chlorine	0	1	0	0	0	1	167	18
Chlorine and phosphoric acid	1	0	2	0	0	3	26	2
Chlorine and cleaning agent, n.e.c	2	0	2	1	0	5	16	2
Other multiple chemicals	12	13	5	8	3	42	1,091	317
Tobacco smoke, second-hand smoke	0	2	0	2	4	8	932	112
Other and unknown chemicals	65	117	137	111	82	511	11,020	10,390
Air pressure	10	8	4	3	11	37	4,926	3,239
Atmospheric, environmental heat	17	12	7	16	15	68	565	324
Sun	2	6	4	1	3	16	603	1,397
Stress causing events	393	459	488	435	409	2,184	208,577	30,533
Cold, vibration	6	11	10	12	9	48	2,880	8,187
Cardiovascular events	10	13	11	12	8	54	5,269	9,773
Voice overuse	5	2	6	2	0	15	1,834	1,010
Syringe: laceration	20	20	21	29	25	116	1,312	133
Repetitive motion	2,716	2,969	2,776	2,494	2,175	13,131	1,230,819	171,765
Noise	536	448	546	507	507	2,544	2,278	16,778
Other physical	586	455	471	361	345	2,218	49,937	37,137
Other and unknown	36	74	73	73	85	342	10,023	6,246
Total	5,571	5,698	5,498	5,005	4,444	26,216	1,658,497	360,627

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the 'claim costs' are expressed in thousands of dollars.

(3) the 'claim costs' are the dollars of std paid in the period plus the value of the ltd & survivor reserves and awards set up in the period (regardless of the year the claim was counted). the 'claim costs' exclude health care and rehabilitation cost.

(4) the count and cost statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

Table 19 Occupational Disease Data by Detailed Occupation; 1998-2002

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Senior govt managers	0	1	0	0	1	2	170	495
Senior managers, health & related	0	0	0	1	0	1	343	33
Senior managers, mfg, construction	0	0	0	1	1	2	42	7
Financial managers	2	0	0	0	0	2	288	26
Human resources managers	1	0	0	2	0	3	241	22
Other admin service managers	0	0	2	0	2	4	102	6
Managers in science	0	0	1	0	0	1	0	3
Managers in sales and marketing	1	0	0	1	0	2	8	1
Managers in facility operation	3	1	0	1	2	7	322	22
Retail trade managers	33	39	32	32	16	152	12,872	2,172
Restaurant, food service managers	8	9	7	6	9	39	1,642	186
Accommodation service managers	2	0	1	0	2	5	71	5
Managers in banking and related	2	3	0	1	1	7	423	32
Other business service managers	0	0	0	0	1	1	10	2
Postal, courier service managers	0	1	3	2	1	7	274	13
Managers in health care	0	1	0	0	1	2	404	40
School principals, administrators	1	1	1	0	0	3	6	1
Govt managers: health & related	0	0	0	0	1	1	99	12
Managers in publishing, broadcast	0	1	0	1	1	3	48	7
Fire chiefs, fire-fighting officer	1	0	2	0	0	4	81	13
Officers in armed forces	0	0	0	1	0	1	270	206
Managers in other services	2	2	8	2	2	16	1,034	66
Construction managers	2	2	7	4	5	20	433	266
Home builders and renovators	0	1	1	1	1	5	84	7
Transportation managers	1	1	0	0	0	2	3	10
Primary production managers	3	1	3	0	5	12	859	294
Manufacturing managers	3	0	4	3	4	14	644	96
Financial auditors and accountants	3	6	3	3	3	18	1,875	517
Other financial officers	1	1	2	1	0	5	258	38
Specialists in human resources	1	1	3	2	1	8	1,026	167

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Professionals in business services	0	0	1	0	0	1	167	10
Bookkeepers	5	1	2	1	2	11	1,565	192
Loan officers	1	1	1	1	1	5	312	30
Insurance adjuster;claims examiner	1	6	3	7	2	19	2,820	415
Assessors, valuators, appraisers	1	1	0	0	0	2	98	6
Customs, ship and other brokers	1	0	0	0	0	1	124	15
Secretaries - not legal or medical	36	27	19	18	9	109	10,399	3,977
Legal secretaries	2	9	3	2	4	20	1,481	150
Medical secretaries	4	3	5	2	1	15	691	67
Court recorder;medical transcriber	2	2	1	3	3	12	2,069	195
Administrative officers	7	8	16	6	4	41	2,136	210
Executive assistants	1	1	2	1	1	6	269	39
Personnel, recruitment officers	1	0	0	1	0	2	240	31
Property administrators	1	0	0	2	1	4	508	27
Purchasing agents and offices	1	2	1	0	0	4	11	1
Immigration, ei, revenue officers	1	0	1	1	0	3	783	75
Supervisor: office & admin support	3	2	1	2	1	10	372	26
Supervisor:finance,insurance clerk	0	3	3	1	0	7	322	18
Supervisors: information clerks	2	0	0	0	0	2	309	37
Supervisor: recording occupations	0	0	0	0	0	0	0	75
General office clerks	55	67	56	56	28	261	20,161	3,634
Typists, word processors	2	13	1	2	2	21	1,765	711
Records and file clerks	11	12	11	5	9	48	4,924	420
Receptionist; switchboard operator	23	21	13	16	10	83	5,268	511
Computer operators	1	2	0	1	2	6	137	15
Data entry clerks	26	10	10	13	11	70	5,905	648
Typesetters and related	1	2	0	0	1	4	272	44
Telephone operators	1	1	2	0	1	5	752	49
Accounting and related clerks	19	18	14	15	12	78	6,724	592
Payroll clerks	1	4	4	12	3	24	1,993	160
Tellers, financial services	20	30	36	26	23	136	11,900	832

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Bank, insurance, financial clerk	1	6	3	4	3	18	696	61
Collectors	0	2	3	1	3	9	886	105
Administrative clerks	10	13	12	12	14	62	2,168	198
Personnel clerks	0	3	2	1	2	8	327	32
Court clerks	0	1	0	0	0	1	18	2
Library clerks	7	5	5	7	1	26	2,150	211
Publication and related clerks	0	0	0	0	1	1	1	0
Customer service,information clerk	11	16	16	16	10	70	5,720	512
Statistical clerk, interviewer	1	0	1	0	0	3	263	23
Mail, postal, and related clerks	5	8	3	7	5	27	2,701	282
Letter carriers	3	0	0	0	3	6	267	29
Courriers and messengers	12	5	10	11	5	43	2,295	227
Shippers and receivers	26	35	20	24	16	121	7,063	1,280
Storekeepers and part clerks	24	14	19	21	16	93	4,520	513
Production clerks	1	2	0	1	0	4	302	32
Purchasing, inventory clerks	5	3	6	3	4	22	1,347	134
Dispatchers, radio operators	9	6	8	2	7	33	1,100	171
Crew and route schedulers	0	1	0	0	0	1	346	12
Chemists	3	0	0	0	0	3	173	296
Geologists, geophysicists	3	1	1	0	0	5	336	28
Professionals in physical sciences	2	1	0	0	0	3	40	6
Biologists and related scientists	0	0	0	2	0	2	69	7
Forestry professionals	1	1	2	1	2	7	250	49
Agricultural specialists	0	0	0	0	1	1	191	-58
Civil engineers	2	1	0	1	3	7	224	74
Mechanical engineers	0	0	1	1	1	3	1	155
Electrical engineers	0	1	5	1	2	9	1,233	183
Chemical engineers	1	0	0	0	0	1	3	0
Industrial engineers	0	0	1	0	1	2	0	531
Metallurgical, materials engineers	1	0	0	1	0	2	131	18
Geological engineers	0	0	0	1	1	2	54	15
Computer engineers	1	0	0	1	1	3	553	92
Other professional engineers	2	3	5	1	2	13	1,887	630

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Architects	0	1	0	0	0	1	1	0
Urban and land use planners	0	1	0	0	0	1	15	3
Land surveyors	0	0	0	2	1	3	469	559
Computer systems analysts	3	1	7	7	4	22	1,800	244
Computer programmers	2	1	1	1	0	6	889	106
Chemical technologists,technicians	3	3	0	3	1	10	905	83
Geological, mineral technologists	0	1	3	1	1	6	150	180
Meteorological technicians	6	8	3	11	7	35	2,797	185
Agricultural, fish prod. inspector	1	0	0	0	1	2	188	26
Forestry technologist, technician	6	7	7	6	7	33	3,855	875
Conservation, fishery officers	3	2	1	4	2	12	207	60
Landscape,horticultural technician	6	4	2	8	5	25	2,416	288
Civil engineering technologists	0	0	0	1	0	1	10	1
Mechanical engineering technologst	1	0	0	0	0	1	3	1
Industrial engineering technologst	0	0	1	1	0	2	63	267
Electrical engineering technologst	2	1	0	1	1	5	181	31
Electronic service technician	3	3	6	6	6	24	1,734	250
Industrial instrument technician	0	1	1	1	1	4	221	175
Aircraft instrument technician	1	0	2	0	1	5	15	10
Architectural technologists	0	1	0	0	0	1	104	13
Drafting technologist, technician	6	0	1	3	1	11	520	50
Survey technologist, technician	2	3	2	2	0	9	581	184
Mapping and related technicians	1	1	1	0	0	4	1,348	111
Nondestructive tester, inspector	2	1	5	3	1	13	1,052	67
Engineering inspector, regulator	1	1	0	0	0	2	15	4
Inspector in health and safety	1	0	0	2	2	5	1,573	322
Construction inspectors	1	1	0	1	0	3	224	28
Air pilots; flight engineers	3	2	8	6	5	24	811	360
Air traffic control occupations	1	0	0	0	0	1	1	0
Deck officers in water transport	2	5	6	5	6	24	519	3,039
Engineer officers water transport	3	6	2	6	1	18	294	62

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Specialist physician	1	0	0	0	0	1	8	0
General practitioner	0	2	0	0	0	2	398	58
Dentist	0	1	3	0	0	4	10	2
Veterinarians	1	0	4	1	0	6	62	44
Chiropractors	0	1	0	1	0	2	765	81
Other health treating professional	1	0	0	0	0	1	892	178
Pharmacists	4	1	4	3	2	15	1,077	119
Dietitians and nutritionists	0	0	0	1	0	1	1	0
Audiologist; speech pathologists	2	0	2	1	0	5	1,247	240
Physiotherapists	3	2	3	2	3	13	1,568	255
Occupational therapists	0	0	2	1	1	4	96	11
Head nurses and supervisors	1	0	1	0	0	2	119	32
Registered nurses	147	159	99	114	85	603	25,928	4,305
Medical laboratory technologists	5	2	5	4	2	18	1,183	112
Medical laboratory technicians	25	36	19	22	13	115	5,544	773
Animal health technologists	4	4	1	3	4	16	205	17
Respiratory therapists	0	1	1	0	2	4	41	5
Medical radiation technologists	3	4	5	6	8	27	2,602	2,057
Medical sonographers	1	2	7	4	1	15	822	126
Cardiology technologists	0	0	2	0	0	2	11	1
Other diagnostic technologists	2	1	4	5	5	17	894	111
Other medical technicians	0	0	1	1	0	2	306	5
Dental hygienist; dental therapist	3	5	0	1	1	10	1,587	357
Dental technicians; lab bench work	0	3	4	3	1	11	1,012	147
Registered nursing assistants	31	35	12	11	13	101	4,491	373
Ambulance attendants; paramedics	18	20	29	20	24	111	7,249	1,163
Other therapy, assessment technicn	2	2	1	2	1	8	751	55
Dental assistants	11	9	13	6	5	45	2,217	231
Nurse aides and orderlies	89	97	67	76	71	400	23,010	2,515
Other assistant in health services	12	13	7	11	6	49	4,151	402
Lawyers	0	1	0	0	1	2	83	12

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Psychologists	0	1	1	0	2	5	182	22
Social workers	3	2	0	2	8	15	1,002	134
Family, marriage counsellors	4	2	6	0	3	15	1,475	220
Ministers of religion	0	0	1	0	0	1	4	1
Probation, parole officers	1	2	1	0	0	5	173	24
Science policy research,consultant	1	0	0	1	0	2	139	7
Economists	0	0	0	1	0	1	239	34
Economic development officers	0	0	1	0	0	1	7	1
Health and social policy research	0	6	1	2	0	10	1,395	170
Education policy researcher	0	1	1	1	1	4	508	65
Recreation and sports supervisors	0	1	0	0	0	1	1	0
Other social science professionals	0	0	2	0	0	2	8	1
University professors	0	0	0	0	1	1	8	37
Post-secondary teaching assistants	0	3	1	2	1	7	86	9
College, vocational instructors	0	3	2	6	4	16	1,370	224
Secondary school teachers	3	10	26	17	21	77	4,693	1,054
Elementary, kindergarten teachers	10	10	14	20	20	74	5,420	860
School and guidance counsellors	1	1	1	0	2	5	143	22
Paralegal and related occupations	2	1	4	0	0	8	1,191	88
Social service, community workers	61	51	49	53	42	257	17,085	2,174
Employment counsellors	1	1	3	1	1	7	411	41
Other instructors	0	1	1	1	1	5	78	2
Other religious occupations	1	0	0	0	0	1	8	0
Librarians	4	2	3	3	1	14	953	93
Conservators and curators	0	1	0	0	0	1	1	0
Writers	0	1	1	0	0	3	203	17
Editors	0	1	0	0	0	1	4	1
Journalists	3	2	0	0	2	7	1,190	89
Public relations professionals	2	0	0	2	0	4	242	10
Translators; interpreters	1	0	0	0	1	2	92	7
Producer; director; choreographers	0	1	0	0	0	1	138	9
Musicians and singers	1	1	1	1	2	7	494	61
Dancers	1	0	0	0	1	2	270	16

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Actors	0	0	0	0	1	1	402	47
Painters; sculptors	1	1	3	4	1	10	682	74
Library and archive assistants	3	9	7	3	6	29	1,156	84
Museum, gallery technical jobs	1	0	1	1	1	4	229	182
Photographers	0	0	1	0	0	1	5	0
Film and video camera operators	1	1	0	0	0	2	19	3
Graphic arts technicians	0	3	0	1	0	4	233	30
Broadcast technicians	0	0	0	0	0	0	0	2
Audio, video recording technician	0	0	0	1	0	1	3	1
Other technical jobs movies & rltd	5	6	5	3	6	26	1,935	2,030
Assisting occupation movies & rltd	3	3	1	5	6	19	1,690	207
Announcers and other broadcasters	1	0	0	1	0	2	114	8
Graphic designers and related	1	4	3	2	1	12	689	56
Interior designers	0	1	0	0	0	1	150	81
Theater, fashion, other designers	1	0	2	0	0	3	724	54
Artisans and craftpersons	1	3	3	5	2	14	1,042	92
Instructor in recreation and sport	15	20	19	18	15	87	2,646	207
Retail trade supervisors	2	2	2	5	5	16	1,453	107
Food services supervisors	3	7	6	4	7	27	1,660	395
Executive housekeepers	1	2	1	3	3	11	505	41
Cleaning supervisors	1	1	2	0	3	7	318	26
Other service supervisors	1	2	2	2	0	7	235	21
Sales representatives in wholesale	5	5	3	7	0	20	1,498	386
Technical sales staff in wholesale	0	2	2	0	0	4	466	52
Insurance agents and brokers	6	0	2	4	0	12	675	65
Grain elevator operators	0	0	0	0	1	1	0	3
Retail salespeople, sales clerks	136	146	152	163	130	726	60,563	4,722
Cashiers	170	178	131	146	82	707	77,349	6,412
Chefs	2	4	1	10	5	23	1,620	141
Cooks	87	76	68	90	57	378	38,934	3,455
Host; hostess; maitre d'hotel	1	2	-2	2	0	4	201	7

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Bartenders	4	19	14	12	12	61	5,801	363
Food and beverage servers	39	38	40	36	42	196	17,567	1,849
Police officers	19	20	13	13	8	72	1,485	338
Fire fighters	25	21	25	20	13	105	9,353	10,076
Sheriffs and bailiffs	4	7	9	3	2	26	1,775	588
Correctional service officers	18	29	10	24	22	103	6,435	1,225
Other regulatory officers	5	6	5	8	6	30	934	64
National defence workers	0	1	0	1	0	2	56	6
Other protective service jobs	6	6	3	3	6	24	987	72
Security guards and related	18	27	25	29	20	120	5,562	1,536
Travel counsellors	0	1	0	0	0	1	190	33
Pursers and flight attendants	35	33	33	35	30	166	2,739	306
Airline sales and service agents	29	7	10	6	13	66	2,815	307
Ticket, cargo agents - not airline	3	2	2	2	0	9	249	24
Hotel front desk clerks	4	12	3	2	5	26	1,853	74
Tour and travel guides	1	0	2	3	0	6	288	23
Outdoor sport, recreation guides	0	1	1	1	0	3	80	4
Attendants in recreation, sport	12	21	29	15	10	87	7,943	1,000
Attendants in accommodation,travel	0	1	4	2	0	7	200	13
Visiting homemakers, housekeepers	27	29	39	25	25	145	7,290	482
Assistants to school teachers	8	14	14	7	9	52	2,411	169
Early childhood teacher, assistant	6	8	7	2	3	26	2,077	142
Babysitters, nannies	0	1	0	0	0	1	0	0
Hairstylists and barbers	22	28	24	28	26	129	12,892	901
Estheticians; electrologists	8	1	5	4	2	20	1,485	110
Pet groomers; animal care workers	13	14	12	18	20	77	1,486	117
Light duty cleaners	121	112	107	96	76	513	35,110	2,626
Specialized cleaners	39	35	39	25	36	174	11,292	793
Janitors; building caretakers	161	183	140	157	113	754	42,267	6,439
Butchers and meat cutters	19	21	19	10	17	86	10,231	1,792
Bakers	26	26	24	42	25	143	12,677	2,426
Medical, hospital assistants	2	8	8	1	1	21	2,157	192
Food service counter attendants	22	44	43	28	28	164	7,127	322

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Kitchen and food service helpers	114	126	154	95	94	583	36,953	3,156
Service station attendants	21	10	13	16	18	78	3,697	179
Grocery clerks; shelf stockers	47	53	54	41	46	241	15,272	1,208
Other elemental sales occupations	3	1	4	3	1	13	1,459	81
Dry cleaning, laundry occupations	22	36	22	18	26	124	6,692	885
Ironing, pressing, finishing	2	3	0	0	1	6	1,574	73
Other elemental service occupation	13	10	7	6	4	40	3,417	2,834
Contractors in electrical trades	2	0	2	1	0	5	254	391
Contractor, supervisor pipefitting	0	4	0	1	0	5	162	15
Supervisor metal forming, shaping	1	6	5	2	4	17	1,409	907
Contractor, supervisor carpentry	4	6	7	6	4	27	2,277	232
Contractors, supervisors mechanics	9	7	5	2	3	26	489	1,303
Contractors heavy construct equipm	9	2	4	5	2	23	3,013	1,353
Supervisors printing and related	0	1	0	0	0	1	72	12
Other construct contractr,supervis	15	6	10	10	9	50	3,491	310
Supervisors in railway transport	2	1	0	2	0	5	69	16
Supervisors in ground transport	0	1	0	0	0	1	55	6
Plumbers	11	23	27	26	19	106	8,688	5,394
Steamfitters, pipefitters	19	27	25	16	12	99	6,447	3,730
Gas fitters	4	5	1	1	3	14	342	68
Carpenters	119	111	118	108	95	551	35,286	9,608
Cabinetmakers	14	8	6	7	6	42	4,094	1,028
Bricklayers	5	5	12	8	7	37	2,549	1,343
Cement finishers	14	9	14	17	8	61	5,790	1,663
Tilesetters	2	6	3	2	4	17	1,051	120
Plasterers; drywallers, lathers	38	17	14	18	20	106	12,035	3,252
Roofers and shinglers	20	10	15	15	12	73	3,935	493
Glaziers	6	3	7	3	7	27	3,811	1,227
Insulators	6	4	6	7	8	32	2,709	3,982
Painters and decorators	30	29	39	23	35	156	9,899	3,654
Floor covering installers	20	16	14	18	14	83	7,594	1,516

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Electricians -not industrial,power	43	40	37	23	34	177	15,002	5,139
Industrial electricians	2	9	9	10	8	38	910	545
Power system electricians	0	1	1	0	1	3	350	63
Electrical power line,cable worker	0	4	2	9	8	24	1,116	613
Telecommunication line,cable work	15	4	8	7	5	38	2,797	717
Telecommunication install, repair	3	7	4	5	2	21	563	124
Cable tv service and maintenance	9	3	1	1	8	22	649	120
Stationary engineers and related	14	13	9	10	7	53	4,102	1,747
Power system, station operators	3	1	0	1	1	6	3	127
Machinists; machining inspectors	26	25	28	21	26	126	5,780	1,614
Tool and die makers	2	3	0	1	1	7	341	107
Sheet metal workers	37	39	40	30	32	179	11,887	4,916
Boilermakers	2	8	12	10	4	35	2,945	523
Structural metal fabricator,fitter	58	65	50	33	23	230	10,422	6,169
Ironworkers	10	14	16	18	13	72	4,930	1,079
Blacksmiths and die setters	1	3	1	0	0	6	261	45
Industrial mechanics; millwrights	45	48	32	29	30	184	8,991	4,417
Heavy duty equipment mechanics	75	79	77	65	63	359	18,004	11,460
Refrigeration; air cond. mechanics	3	5	7	11	3	30	1,163	342
Railway carmen	3	6	3	4	1	17	777	165
Aircraft mechanics, inspectors	17	13	18	21	20	89	2,896	580
Machine fitters	0	0	1	1	1	3	103	15
Elevator constructors, mechanics	3	5	0	3	2	13	1,724	730
Motor vehicle mechanics	78	65	95	53	72	363	27,618	7,786
Motor vehicle body repairers	22	25	17	26	23	114	7,854	1,028
Oil, solid fuel heating mechanics	0	0	1	1	0	2	458	222
Electric appliance servicers	2	1	4	4	3	14	683	453
Electrical mechanics	2	0	0	2	2	6	841	689
Motorcycle and related mechanics	0	0	2	0	0	2	268	40
Small engine, equipment mechanics	2	3	3	3	4	15	2,268	690
Upholsterers	4	4	2	2	3	15	845	387

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Taillors; dressmakers; furriers	12	10	10	12	11	55	7,797	880
Shoe repairers and shoemakers	1	0	3	1	1	6	793	58
Jewellers; watch repairers	0	0	0	0	0	0	0	118
Printing press operators	10	16	9	7	6	48	2,135	502
Commercial divers	6	6	9	5	15	41	6,588	1,486
Other trades & related occupations	6	3	5	6	7	27	1,570	784
Residential,commercial servicers	8	4	18	2	7	40	1,457	138
Waterworks. gas maintenance jobs	4	2	7	3	1	17	725	386
Automotive mechanical servicers	10	21	15	9	9	64	2,383	277
Pest controllers and fumigators	1	0	2	1	1	5	225	26
Other repairers and servicers	0	2	2	1	1	6	144	17
Heavy equipment oprtrs - not crane	76	53	56	63	61	310	9,809	11,305
Public works maintenance equip opr	16	22	10	15	14	76	3,842	526
Crane operators	4	6	9	7	4	30	525	542
Drillers and blasters - surface	6	7	7	7	7	35	298	618
Water well drillers	2	1	0	1	4	8	37	18
Truck drivers	81	86	90	78	86	421	30,620	10,356
Bus drivers;other transit operator	74	64	65	44	58	304	13,800	1,431
Taxi,limousine drivers; chauffeurs	6	9	8	2	7	33	1,643	77
Delivery drivers	30	40	31	35	28	163	11,067	1,154
Railway. yard locomotive engineers	19	10	13	12	17	71	3,797	1,680
Railway conductors; brakemen	14	15	12	14	8	63	2,898	1,266
Railway yard workers	2	0	7	4	3	16	919	150
Railway track maintenance workers	1	4	1	1	3	11	686	394
Deck crew in water transport	10	6	10	13	13	52	4,453	1,357
Engine room crew water transport	1	2	8	0	2	13	148	77
Cable ferry operators and related	1	5	3	3	6	18	355	45
Boat operators	3	2	3	4	3	15	459	98
Air transport ramp attendants	30	15	22	24	20	111	4,242	775
Longshore workers	13	27	17	28	19	105	8,976	3,274
Material handlers	153	147	145	126	109	680	36,512	5,690
Construction trades helpers	120	122	103	113	109	568	31,460	7,960
Other trades helpers; labourers	36	29	39	32	33	170	13,855	3,054

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Public works,maintenance labourers	70	57	37	39	39	242	7,435	994
Railway, motor transport labourers	13	8	6	6	0	33	1,098	134
Farmers and farm managers	7	6	3	6	2	24	915	34
Farm supervisors;livestock workers	0	0	1	6	1	8	300	29
Nursery, greenhouse operators	9	1	0	0	0	10	431	25
Landscaping contractors, managers	4	1	2	1	0	8	674	46
Supervisors landscape,horticulture	0	4	0	2	0	6	584	49
Aquaculture operators, managers	7	3	6	8	4	28	1,436	109
General farm workers	17	19	32	17	18	102	7,539	610
Nursery and greenhouse workers	53	48	47	34	22	205	10,260	1,444
Supervisors: logging and forestry	2	1	4	1	1	9	390	579
Supervisors: mining and quarrying	0	0	0	1	0	1	0	1
Underground miners -incl blasters	18	19	36	24	34	131	2,667	2,592
Oil, gas well drillers, servicers	2	0	3	5	0	10	246	29
Underground mine service workers	1	0	5	3	0	9	828	94
Oil, gas well drilling workers	0	0	0	2	3	5	90	13
Logging machinery operators	18	15	11	17	16	78	7,317	2,384
Chain saw and skidder operators	65	66	75	65	55	326	10,528	6,591
Silviculture, forestry workers	31	18	25	14	12	100	2,969	225
Fishing masters and operators	0	0	1	0	1	2	187	20
Fishermen, fishing vessel skippers	22	19	17	25	21	104	14,405	3,174
Fishing vessel deckhands	3	12	8	8	7	38	3,390	191
Harvesting labourers	1	2	3	0	0	6	203	221
Landscaping and related workers	40	48	51	60	56	255	9,717	925
Aquaculture, marine harvest labour	5	2	10	2	10	29	1,467	95
Mine labourers	14	4	2	4	2	26	1,721	1,100
Oil, gas drilling labourers	2	2	1	2	3	11	1,158	150
Logging and forestry labourers	91	86	95	67	57	396	13,907	2,071
Supervisors:mineral, metal process	1	0	4	1	0	6	502	250
Supervisor:oil,gas,chemical proces	0	0	0	1	2	3	22	5
Supervisor:food,beverage procesing	2	3	0	0	0	6	106	14

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Supervisor:plastic,rubber manufact	1	1	1	0	0	3	3	32
Supervisor:forest prod processing	0	2	3	3	0	8	-41	29
Supervisor:electrical products mfg	0	1	0	0	0	1	2	0
Supervisor:furniture,fixture manuf	0	0	0	1	1	2	19	28
Supervisor:fur,fabric,leather mnfg	1	0	0	0	0	1	26	1
Supervisor:metal products manufact	1	0	1	1	0	3	686	93
Supervisor:other products manufact	0	3	0	0	1	4	44	6
Process operators in metal process	2	10	2	2	3	19	564	374
Gas,oil,chemical process operators	3	3	3	1	3	13	305	430
Pulping control operators	3	1	2	2	1	9	480	103
Papermaking,coating control oprtrs	3	1	5	2	1	13	783	163
Metal processing machine operators	6	5	1	4	1	17	114	1,114
Foundry workers	9	8	11	5	3	36	1,435	169
Glass cutters & rlated machine opr	4	5	1	10	4	25	1,934	362
Concrete,clay forming operators	16	9	20	16	10	71	4,271	573
Inspector mineral,metal processing	1	0	1	2	3	7	265	29
Chemical plant machine operators	15	11	17	7	4	55	3,228	326
Plastics process machine operators	9	8	6	8	6	38	1,294	126
Rubber processing machine operator	0	1	1	2	2	6	290	25
Water and waste plant operators	2	2	2	1	0	8	68	9
Sawmill machine operators	45	48	50	49	29	221	9,028	2,881
Pulp mill machine operators	3	2	9	2	7	23	423	107
Papermaking,finish machine operatr	5	4	4	4	4	22	607	104
Other wood process machine operatr	22	22	16	16	13	89	7,757	1,324
Paper converting machine operators	5	10	7	5	2	29	3,707	1,248
Lumber graders & related inspector	14	18	18	18	15	83	9,342	2,895
Weavers; knitters and related	1	2	1	1	0	5	1,209	197
Textile dyeing,finish machine opr	1	1	0	1	0	3	147	14
Textile inspector, grader, sampler	0	0	1	1	0	2	68	4
Sewing machine operator	6	2	12	9	8	37	4,367	537
Fabric, fur, leather cutters	0	2	0	1	0	3	238	13
Food,beverage process machine opr	24	26	23	14	19	106	6,867	1,196
Industrial butcher,poultry prepare	69	67	51	44	49	280	20,356	1,737

Occupation	Number of Claims						Days lost	Claim costs in thousands of dollars,
	1998	1999	2000	2001	2002	1998-2002	1998-2002	1998-2002
Fish plant workers	54	72	66	36	29	257	22,532	2,188
Tester,grader:food,beverage proces	3	2	1	3	0	10	814	57
Printing machine operator	3	7	8	8	4	30	1,436	211
Camera,platemaking & related jobs	0	1	2	2	0	5	91	7
Binding and finishing machine oprs	8	9	14	10	2	43	2,750	303
Photographic and film processors	3	5	2	2	3	14	1,311	113
Machining tool operators	3	1	1	1	1	8	556	92
Forging machine operators	1	3	0	1	0	5	586	376
Woodworking machine operators	10	13	11	20	14	68	5,081	454
Metalworking machine operators	9	14	9	5	10	48	2,024	647
Welders and soldering machine oprs	213	197	176	135	120	841	29,878	10,653
Other metal products machine oprtr	8	11	7	5	7	38	3,460	810
Other products machine operators	0	1	0	2	1	4	271	22
Aircraft assemblers and inspectors	1	0	1	1	0	3	0	5
Motor vehicle assembler,inspectors	2	1	4	1	1	10	431	274
Electronics assemblers, inspectors	4	10	10	8	7	39	2,059	772
Electric appliance assemblr,tester	2	0	3	0	1	6	460	31
Elctric motor,transformer assembly	2	0	1	2	1	7	263	38
Mechanical assemblers, inspectors	24	22	9	9	4	67	2,476	455
Machine opr:electric apparatus mfg	3	9	5	3	4	24	1,353	144
Boat assemblers and inspectors	9	12	16	12	17	66	2,547	158
Furniture assemblers and inspector	5	9	3	8	3	28	2,657	297
Other wood products assemblers	5	6	21	21	19	72	3,704	473
Furniture finishers, refinishers	7	5	9	6	4	32	1,225	102
Plastic products assemblers,finish	27	6	21	22	15	91	5,383	1,425
Manufacturing painters and coaters	10	18	16	15	17	76	5,480	2,309
Plating,metal spraying and related	7	3	2	2	4	19	1,388	772
Other assemblers and inspectors	4	2	1	3	4	15	3,227	1,073
Labourers in mineral,metal process	14	22	16	17	15	84	7,423	5,557
Labourers in metal fabrication	59	43	44	27	34	207	9,088	1,836
Labourers in chemical products mfg	6	7	7	10	10	40	1,684	273

Occupation	Number of Claims 1998	1999	2000	2001	2002	1998-2002	Days lost 1998-2002	Claim costs in thousands of dollars, 1998-2002
Labourers in wood,pulp processing	168	149	143	129	126	715	38,502	10,980
Labourers in plastic, rubber mfg	10	18	19	12	14	73	2,509	568
Labourers in textile processing	5	1	4	3	4	17	877	55
Labourers in food,beverage process	63	85	98	64	75	386	26,276	2,545
Labourers in fish processing	48	74	62	96	87	367	22,816	1,533
Other labourers in manufacturing	67	74	108	86	77	413	28,761	8,172
Unknown	1	0	0	0	0	1	1,143	1,098
Total	5,571	5,698	5,498	5,005	4,444	26,216	1,658,497	360,627

(1) the 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. claims with only health care benefits are not included in the count.

(2) the 'claim costs' are expressed in thousands of dollars.

(3) the 'claim costs' are the dollars of std paid in the period plus the value of the ltd & survivor reserves and awards set up in the period (regardless of the year the claim was counted). the 'claim costs' exclude health care and rehabilitation cost.

(4) the count and cost statistics have been adjusted for the effect of uncoded claims. the adjusted statistics are rounded and shown as whole numbers. these whole numbers will not necessarily add up to the row and column totals shown because the totals are rounded independently.

Table 20 Counts of Cancer and Asbestosis Claims by Subsector; 1983-2002

	Subsector	Number of claims for cancer arising from exposure to asbestos 1983-2002	Number of claims for cancer arising from other exposures 1983-2002	Number of claims for asbestosis 1983-2002
7010	Agriculture	0	1	0
7020	Fishing	1	0	0
7030	Forestry	2	0	3
7040	Oil, gas, or mineral resources	16	3	9
7110	Food and beverage products	3	0	2
7120	Metal and mineral products	114	46	68
7130	Petroleum, other chemical products	2	1	6
7140	Wood and paper products	17	0	22
7150	Manufacture of other products	1	0	1
7210	General construction	134	6	126
7220	Heavy construction	3	0	1
7230	Road construction or maintenance	1	0	1
7320	Transportation and related	14	1	15
7410	Retail trade	2	1	0
7420	Wholesale trade	6	1	2
7530	Public administration	2	14	4
7610	Accommodation, food and leisure	4	2	3
7620	Business services	2	1	2
7630	Professional, technical services	2	0	1
7640	Other services	19	0	19
7650	Education	3	0	4
7660	Health care	7	2	4
7670	Utilities	6	0	9
	Self-insured employers	22	3	24
	Other, including Section 39 of Act	3	0	0
	Total	387	83	326

(1) The 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. Claims with only health care benefits are not included in the count.

(2) Claims that are first compensated as asbestosis claims and that are subsequently compensated as mesothelioma claims are counted as cancer claims in this report. The year associated with such a claim for the purpose of this report is the year the claim is first compensated for asbestosis.

Table 21 Counts of Cancer and Asbestosis Claims by Occupation; 1983-2002

Occupation group	Number of claims for cancer arising from exposure to asbestos 1983-2002	Number of claims for cancer arising from other exposures 1983-2002	Number of claims for asbestosis 1983-2002
Managerial, admin	1	0	2
Engineering, science	10	1	3
Social science	1	0	0
Teachers	2	0	1
Medicine, health care	1	1	0
Clerical jobs	4	0	2
Sales jobs	3	0	0
Service jobs	3	15	6
Farming jobs	0	2	0
Fishing, trapping	1	0	0
Forestry, logging	3	0	3
Mining, oil, gas	13	4	5
Processing jobs	21	31	16
Machining, related	56	6	52
Fabricating, repair	56	12	39
Construction trades	160	6	152
Transportation oprtrs	13	2	15
Material handling	16	1	15
Equipment operators	13	1	9
Other occupations	10	1	6
Total	387	83	326

(1) The 'number of claims' is the count of claims accepted for short term disability (std) benefits, long term disability (ltd) benefits or survivor benefits in the period. Claims with only health care benefits are not included in the count.

(2) Claims that are first compensated as asbestosis claims and that are subsequently compensated as mesothelioma claims are counted as cancer claims in this report. The year associated with such a claim for the purpose of this report is the year the claim is first compensated for asbestosis.

Table 22 Number of Accepted Fatal Claims arising from Occupational Diseases, by Year Accepted and Type of Disease, 1983-2002

Type of Disease	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Total
Asbestos exposure	4	7	11	12	18	12	14	10	17	24	12	20	22	35	26	29	34	35	39	41	422
Cancer (not from asbestos)	2	0	0	0	0	2	2	2	2	6	3	2	2	2	3	4	4	6	8	4	54
Silicosis	8	4	8	2	3	10	10	11	10	8	5	3	6	3	4	4	6	6	4	4	119
Other pneumoconiosis	0	0	0	1	4	1	4	1	1	2	2	1	1	1	1	0	0	0	0	0	20
Other exposure	1	1	0	0	0	4	3	1	0	2	1	4	1	1	1	5	3	3	5	2	38
Cardiovascular	4	3	2	0	4	3	2	8	2	8	5	4	3	3	7	7	7	5	1	3	81
Sequel to Trauma	0	0	0	0	0	0	0	1	0	1	1	0	0	1	1	1	1	2	1	2	12
Other disease	0	0	0	0	1	0	0	0	0	1	2	2	2	0	2	2	0	1	0	0	13
Total	19	15	21	15	30	32	35	34	32	52	31	36	37	46	45	52	55	58	58	56	759

Footnotes (1) The 'Asbestos exposure' group consists of cancer from exposure to asbestos and asbestosis.The cancers are primarily mesothelioma.
(2) The exposures in the 'Other exposure' group are to chemicals, and to organic and other dusts
(3) The 'cardiovascular' claims are considered to be diseases for the purpose of this report. Stroke and aneurysm fatalities are included.
(4) The 'Sequel to trauma' fatalities are those arising from disease complications following traumatic injuries.
(5) The 'Other disease' group includes infectious diseases, heat stress, and confined space asphyxiations.
(6) For the purpose of this table, the 'year accepted' is the year that survivor benefits were first awarded.